

182320 M9

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From: Yu, Misook
Sent: Thursday, March 16, 2006 6:33 AM
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Subject: 09/724,406

Pls do interference search of SEQ ID NO: 2.

Examiner Misook Yu, Ph.D.
571-272-0839 (phone)
571-273-0839 (fax)
Art Unit 1642
REM-3D29 (Office)
REM-3C18 (Mail Box)
400 Dulany Street
Alexandria, VA 22314

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(STIC)

Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
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Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIS: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: March 17, 2006, 20:23:11 ; Search time 48 Seconds
(without alignments)
201.522 Million cell updates/sec

Title: US-09-724-406-2
Perfect score: 635
Sequence: 1 Q1QLQSGPEVVKPGASVKL.....NYGNYWFAWYQGQTQTVTSA 117

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
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2: /cgn2_6/ptodata/1/iaa/6_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/H_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	543.5	85.6	139	1	US-08-253-877C-8
2	543.5	85.6	139	1	US-08-452-164A-8
3	539.5	85.0	138	2	US-08-603-024-2
4	501.5	79.0	116	1	US-08-888-366-2
5	497.5	78.3	122	2	US-08-767-128-4
6	494	77.8	119	2	US-08-767-128-20
7	490	77.2	119	1	US-08-458-516-11
8	490	77.2	138	1	US-08-458-516-7
9	486	76.5	117	2	US-09-157-370-2
10	483.5	76.1	139	1	US-08-116-778E-1
11	483.5	76.1	139	1	US-08-438-562-1
12	483.5	76.1	139	1	US-08-483-528B-91
13	480.5	75.7	118	1	US-08-428-257A-74
14	480.5	75.7	118	1	US-07-987-264-14
15	477.5	75.2	128	1	US-08-202-047-21
16	477.5	75.2	128	2	US-08-964-690-21
17	476	75.0	121	2	US-08-881-037-65
18	475.5	74.9	139	1	US-08-253-877C-19
19	475.5	74.9	139	1	US-08-452-164A-19
20	475.5	74.9	139	2	US-08-603-024-18
21	475.5	74.9	139	2	US-08-450-809-14
22	474	74.6	119	1	US-08-458-516-10
23	474	74.6	222	1	US-08-458-516-22
24	474	74.6	235	1	US-08-458-516-23
25	474	74.6	240	2	US-10-092-246-34
26	474	74.6	240	2	US-10-092-246-35
27	474	74.6	240	2	US-10-092-246-36

28	474	74.6	240	2	US-10-092-246-37	Sequence 37, Appl
29	474	74.6	240	2	US-10-096-246A-34	Sequence 34, Appl
30	474	74.6	240	2	US-10-096-246A-35	Sequence 35, Appl
31	474	74.6	240	2	US-10-096-246A-37	Sequence 37, Appl
32	474	74.6	449	1	US-08-458-516-13	Sequence 13, Appl
33	473	74.5	121	2	US-08-579-378A-7	Sequence 7, Appl
34	473	74.5	121	4	PCT-US93-11612-7	Sequence 7, Appl
35	473	74.5	140	4	PCT-US93-11612-4	Sequence 4, Appl
36	472.5	74.4	118	2	US-08-766-350B-48	Sequence 48, Appl
37	472.5	74.4	144	2	US-09-393-385B-112	Sequence 112, App
38	472.5	74.4	144	2	US-10-195-752-112	Sequence 112, App
39	472	74.3	121	2	US-08-913-555-19	Sequence 19, Appl
40	471	74.2	119	2	US-09-254-180C-16	Sequence 16, Appl
41	471	74.2	119	2	US-09-254-180C-149	Sequence 149, App
42	471	74.2	119	2	US-08-913-555-23	Sequence 23, Appl
43	471	74.2	138	2	US-09-254-180C-143	Sequence 143, App
44	471	74.2	219	2	US-09-254-180C-180	Sequence 180, App
45	470	74.0	118	2	US-09-065-059-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-08-253-877C-8
; Sequence 8, Application US/08253877C
; Patent No. 5773001
; GENERAL INFORMATION:
; APPLICANT: Hamann, Philip R.
; APPLICANT: Hinman, Lois
; APPLICANT: Hollander, Irwin
; APPLICANT: Holcomb, Ryan
; APPLICANT: Hallett, William
; APPLICANT: Tsou, Hwei-Ru
; APPLICANT: Weiss, Martin J.
; TITLE OF INVENTION: Conjugates of Methyltrithio Antitumor
; TITLE OF INVENTION: Agents and Intermediates for Their Synthesis
; NUMBER OF SEQUENCES: 73
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: One Cyanamid Plaza
; CITY: Wayne
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07470-8426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/253,877C
; FILING DATE: 03-JUN-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Barnhard, Elizabeth M.
; REGISTRATION NUMBER: 31,088
; REFERENCE/DOCKET NUMBER: 32,368
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-831-3246
; TELEFAX: 201-831-3305
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 139 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-253-877C-8

Query Match 85.6%; Score 543.5; DB 1; Length 139;
Best Local Similarity 87.5%; Pred. No. 7.9e-44;
Matches 105; Conservative 5; Mismatches 7; Indels 3; Gaps 2;

APPLICATION NUMBER: US/08/888,366
FILING DATE: 03-JUL-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/187,407
FILING DATE: 27-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,542
FILING DATE: 14-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/493,299
FILING DATE: 14-MAR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/324,392
FILING DATE: 14-MAR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Carter, Charles G.
REGISTRATION NUMBER: 35,093
REFERENCE/DOCKET NUMBER: 8648.39USCI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-332-5300
TELEFAX: 612-332-9081
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 116 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-888-366-2

Query Match 79.0%; Score 501.5; DB 1; Length 116;

Best Local Similarity 80.3%; Pred. No. 5.8e-40;
Matches 94; Conservative 9; Mismatches 13; Indels 1; Gaps 1;

QY 1 QIOLQSGPRVVKPGASVKISCKASGYTFTDYITWVKQPGGLEWIGWYPGSGNTKY 60
DB 1 EVQLQSGPRLVPGALVKISCKASGYTFTSYDINWVKQPGGLEWIGWYPGDSTKY 60
QY 61 NEKFKGKATLTVDTSSTAFPMQLSSLTSDTAVYFCANYGNYWFAWYWGQGTQVTVSA 117
DB 61 NEKFKGKATLTADKSSSTAYWQLSSLTSENSAVYFCARCG-YAMDYWGQGTSTVTVSS 116

RESULT 5

US-08-767-128-4
Sequence 4, Application US/08767128
Patent No. 6111079
GENERAL INFORMATION:
APPLICANT: WYLIE, DWANE E.
APPLICANT: LOPEZ, OSVALDO
APPLICANT: MURRAY, PETER JOSEPH
APPLICANT: GOBBEL, PETER
TITLE OF INVENTION: LEAD BINDING POLYPEPTIDES AND
TITLE OF INVENTION: NUCLEOTIDES CODING THEREFORE
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant, Gould, Smith, Edell, Welter & Schmidt
STREET: 3100 No. 6111079west Center, 90 South Seventh St
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/767,128
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

FILING DATE: 04-DEC-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/09258
FILING DATE: 05-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/541,373
FILING DATE: 10-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/462,798
FILING DATE: 05-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Carter, Charles G.
REGISTRATION NUMBER: 35,093
REFERENCE/DOCKET NUMBER: 8648.49USF1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612/371-5278
TELEFAX: 612/332-9081
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
US-08-767-128-4

Query Match 78.3%; Score 497.5; DB 2; Length 122;

Best Local Similarity 77.0%; Pred. No. 1.4e-39;
Matches 94; Conservative 9; Mismatches 14; Indels 5; Gaps 2;

QY 1 QIOLQSGPRVVKPGASVKISCKASGYTFTDYITWVKQPGGLEWIGWYPGSGNTKY 60
DB 1 QVQLQSGAGLVKPGASVKLSCKASGYTFTYIIHWVKQRSGGLEWIGWYFGSGSIKY 60
QY 61 NEKFKGKATLTVDTSSTAFPMQLSSLTSDTAVYFCA---NYGNY--WFAWYWGQGTQVTV 115
DB 61 NEKFKGKATLTADKSSSTVMELSLTSDSAVYFCARHEGYGNYWFAWYWGQGTQVTV 120

QY 116 SA 117

DB 121 SA 122

RESULT 6

US-08-767-128-20
Sequence 20, Application US/08767128
Patent No. 6111079
GENERAL INFORMATION:
APPLICANT: WYLIE, DWANE E.
APPLICANT: LOPEZ, OSVALDO
APPLICANT: MURRAY, PETER JOSEPH
APPLICANT: GOBBEL, PETER
TITLE OF INVENTION: LEAD BINDING POLYPEPTIDES AND
TITLE OF INVENTION: NUCLEOTIDES CODING THEREFORE
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant, Gould, Smith, Edell, Welter & Schmidt
STREET: 3100 No. 6111079west Center, 90 South Seventh St
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5

1	QY	1	QIQLQSGPEVVKPGASVKISKASGYTFTDYITWVKQKPGGLEWIGWYPGSGNTKY	60
2	DB	1	QVQLQSGVLELMPKPGASVKISKATGYTFTSSYVWVKQKPGGLEWIGWYPGSGNTY	60
3	QY	61	NEKFKGKATLTVDTSSTAFMQLSSLTSEDYAVFCAN--YGNWYFAYWGQGTQVTVSA	117
4	DB	61	NEKFKGKATLTVDTSSTAYMQLSSLTSDSAYVFCARRDNGYGFAYWGRGLTVTVSA	119
5	Query Match 77.8%; Score 494; DB 2; Length 119;			
6	Best Local Similarity 76.5%; Pred. No. 3e-39;			
7	Matches 91; Conservative 14; Mismatches 12; Indels 2; Gaps 1;			
8	SEQUENCE CHARACTERISTICS:			
9	LENGTH: 119 amino acids			
10	TYPE: amino acid			
11	STRANDEDNESS: single			
12	TOPOLOGY: linear			
13	MOLECULE TYPE: protein			
14	HYPOTHETICAL: NO			
15	ANTI-SENSE: NO			
16	FRAGMENT TYPE: internal			
17	ORIGINAL SOURCE:			
18	US-08-767-128-20			
19	Query Match 77.8%; Score 494; DB 2; Length 119;			
20	Best Local Similarity 76.5%; Pred. No. 3e-39;			
21	Matches 91; Conservative 14; Mismatches 12; Indels 2; Gaps 1;			
22	SEQUENCE CHARACTERISTICS:			
23	LENGTH: 119 amino acids			
24	TYPE: amino acid			
25	STRANDEDNESS: single			
26	TOPOLOGY: linear			
27	MOLECULE TYPE: protein			
28	HYPOTHETICAL: NO			
29	ANTI-SENSE: NO			
30	FRAGMENT TYPE: internal			
31	ORIGINAL SOURCE:			
32	US-08-767-128-20			
33	Query Match 77.2%; Score 490; DB 1; Length 119;			
34	Best Local Similarity 78.2%; Pred. No. 7.2e-39;			
35	Matches 93; Conservative 11; Mismatches 13; Indels 2; Gaps 2;			
36	SEQUENCE CHARACTERISTICS:			
37	LENGTH: 119 amino acids			
38	TYPE: amino acid			
39	TOPOLOGY: linear			
40	MOLECULE TYPE: protein			
41	FRAGMENT TYPE: N-terminal fragment			
42	US-08-458-516-11			
43	Query Match 77.2%; Score 490; DB 1; Length 119;			
44	Best Local Similarity 78.2%; Pred. No. 7.2e-39;			
45	Matches 93; Conservative 11; Mismatches 13; Indels 2; Gaps 2;			
46	SEQUENCE CHARACTERISTICS:			
47	LENGTH: 119 amino acids			
48	TYPE: amino acid			
49	TOPOLOGY: linear			
50	MOLECULE TYPE: protein			
51	FRAGMENT TYPE: N-terminal fragment			
52	US-08-458-516-11			
53	Query Match 77.2%; Score 490; DB 1; Length 119;			
54	Best Local Similarity 78.2%; Pred. No. 7.2e-39;			
55	Matches 93; Conservative 11; Mismatches 13; Indels 2; Gaps 2;			
56	SEQUENCE CHARACTERISTICS:			
57	LENGTH: 119 amino acids			
58	TYPE: amino acid			
59	TOPOLOGY: linear			
60	MOLECULE TYPE: protein			
61	FRAGMENT TYPE: N-terminal fragment			
62	US-08-458-516-11			
63	Query Match 77.2%; Score 490; DB 1; Length 119;			
64	Best Local Similarity 78.2%; Pred. No. 7.2e-39;			
65	Matches 93; Conservative 11; Mismatches 13; Indels 2; Gaps 2;			
66	SEQUENCE CHARACTERISTICS:			
67	LENGTH: 119 amino acids			
68	TYPE: amino acid			
69	TOPOLOGY: linear			
70	MOLECULE TYPE: protein			
71	FRAGMENT TYPE: N-terminal fragment			
72	US-08-458-516-11			
73	Query Match 77.2%; Score 490; DB 1; Length 119;			
74	Best Local Similarity 78.2%; Pred. No. 7.2e-39;			
75	Matches 93; Conservative 11; Mismatches 13; Indels 2; Gaps 2;			
76	SEQUENCE CHARACTERISTICS:			
77	LENGTH: 119 amino acids			
78	TYPE: amino acid			
79	TOPOLOGY: linear			
80	MOLECULE TYPE: protein			
81	FRAGMENT TYPE: N-terminal fragment			
82	US-08-458-516-11			
83	Query Match 77.2%; Score 490; DB 1; Length 119;			
84	Best Local Similarity 78.2%; Pred. No. 7.2e-39;			
85	Matches 93; Conservative 11; Mismatches 13; Indels 2; Gaps 2;			
86	SEQUENCE CHARACTERISTICS:			
87	LENGTH: 119 amino acids			
88	TYPE: amino acid			
89	TOPOLOGY: linear			
90	MOLECULE TYPE: protein			
91	FRAGMENT TYPE: N-terminal fragment			
92	US-08-458-516-11			
93	Query Match 77.2%; Score 490; DB 1; Length 119;			
94	Best Local Similarity 78.2%; Pred. No. 7.2e-39;			
95	Matches 93; Conservative 11; Mismatches 13; Indels 2; Gaps 2;			
96	SEQUENCE CHARACTERISTICS:			
97	LENGTH: 119 amino acids			
98	TYPE: amino acid			
99	TOPOLOGY: linear			
100	MOLECULE TYPE: protein			
101	FRAGMENT TYPE: N-terminal fragment			
102	US-08-458-516-11			
103	Query Match 77.2%; Score 490; DB 1; Length 119;			
104	Best Local Similarity 78.2%; Pred. No. 7.2e-39;			
105	Matches 93; Conservative 11; Mismatches 13; Indels 2; Gaps 2;			
106	SEQUENCE CHARACTERISTICS:			
107	LENGTH: 119 amino acids			
108	TYPE: amino acid			
109	TOPOLOGY: linear			
110	MOLECULE TYPE: protein			
111	FRAGMENT TYPE: N-terminal fragment			
112	US-08-458-516-11			
113	Query Match 77.2%; Score 490; DB 1; Length 119;			
114	Best Local Similarity 78.2%; Pred. No. 7.2e-39;			
115	Matches 93; Conservative 11; Mismatches 13; Indels 2; Gaps 2;			
116	SEQUENCE CHARACTERISTICS:			
117	LENGTH: 119 amino acids			
118	TYPE: amino acid			
119	TOPOLOGY: linear			
120	MOLECULE TYPE: protein			
121	FRAGMENT TYPE: N-terminal fragment			

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 138 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-458-516-7

Query Match          77.2%; Score 490; DB 1; Length 138;
Best Local Similarity 78.2%; Pred. No. 8.4e-39;
Matches 93; Conservative 11; Mismatches 13; Indels 2; Gaps 2;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFTDYYITWVKQKPGQGLEWIGWIPGSGNTKY 60
Db 20 QVQLQSGGELVKPGASVKISCKASGYTFTDYYITWVKQKPGQGLEWIGWIPGSGGNTY 79

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANY-GNY-WPAYMGQGTQVTVSA 117
Db 80 NEKFKGKATLTVDKSSSTAYMQLSSLTSDSVAVYFCARRDGNVGFAYWGRGLTVTVSA 138

RESULT 9
US-09-157-370-2
; Sequence 2, Application US/09157370A
; Patent No. 6262238
; GENERAL INFORMATION:
; APPLICANT: STEIPE, Boris
; TITLE OF INVENTION: PROCESS FOR MODIFYING THE STABILITY OF ANTIBODIES
; FILE REFERENCE: P8341-8072
; CURRENT APPLICATION NUMBER: US/09/157,370A
; CURRENT FILING DATE: 1998-09-21
; EARLIER APPLICATION NUMBER: 08/765,179
; EARLIER FILING DATE: 1997-01-14
; EARLIER APPLICATION NUMBER: PCT/EP95/02626
; EARLIER FILING DATE: 1995-07-06
; EARLIER APPLICATION NUMBER: DE/P44 25 115.7
; EARLIER FILING DATE: 1994-07-15
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-157-370-2

Query Match          76.5%; Score 486; DB 2; Length 117;
Best Local Similarity 76.3%; Pred. No. 1.7e-38;
Matches 90; Conservative 13; Mismatches 14; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFTDYYITWVKQKPGQGLEWIGWIPGSGNTKY 60
Db 1 EVQLQSGGELVKPGASVKISCKASGYTFTSYIMHWVKQRPKGLEWIGRINPGSGGNTY 60

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANYGNYWFAWGGTQVTVSA 117
Db 61 NEKFKGKATLTVDKSSSTAYLQLSSLTSDSVAVYFCARGYYFDYWGQGTVTVSS 117

RESULT 10
US-08-116-778E-1
; Sequence 1, Application US/08116778E
; Patent No. 5830470
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: KOIKE, MASAMICHI
; APPLICANT: SHITARA, KENYA
; APPLICANT: HANAI, NORUO
; APPLICANT: KUWANA, YOSHIHISA
; APPLICANT: HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
```

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; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/116,778E
; FILING DATE: 07-SEP-93
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 249-59
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)816-4000
; TELEFAX: (703)816-4100
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 139 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 19..41
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN
; IDENTIFICATION METHOD: ESTABLISHED CONSENSUS
; FEATURE:
; NAME/KEY: domain
; LOCATION: 31..35
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
; IDENTIFICATION METHOD: CONSENSUS
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 1"
; FEATURE:
; NAME/KEY: domain
; LOCATION: 50..66
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
; IDENTIFICATION METHOD: CONSENSUS
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 2"
; FEATURE:
; NAME/KEY: domain
; LOCATION: 99..109
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
; IDENTIFICATION METHOD: CONSENSUS
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"
; US-08-116-778E-1

Query Match          76.1%; Score 483.5; DB 1; Length 139;
Best Local Similarity 75.0%; Pred. No. 3.5e-38;
Matches 90; Conservative 14; Mismatches 13; Indels 3; Gaps 1;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFTDYYITWVKQKPGQGLEWIGWIPGSGNTKY 60
Db 20 EVQLQSGPELVKPGASVKISCKASGYTFTDYNMDVWKQSHGKSLSEWIGYIYPNGGTGY 79

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANYGNYW---PAYWGQGTQVTVSA 117
Db 80 NQKFKSKATLTVDKSSSTAYMELSLTSDSVAVYCATYGHYGYMFAWGGTGLTVTVSA 139

RESULT 11
US-08-438-562-1
; Sequence 1, Application US/08438562
; Patent No. 5874255
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IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
IDENTIFICATION METHOD: CONSENSUS
OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"
US-08-483-5288-91

Query Match 76.1%; Score 483.5; DB 1; Length 139;
Best Local Similarity 75.0%; Pred. No. 3.5e-38;
Matches 90; Conservative 14; Mismatches 13; Indels 3; Gaps 1;
QY 1 QIQLQSGPEVVKPGASVKISKASGYTFTDYITWVKQPGQGLEWIGWIPGSGNTKY 60
Db 20 EVQLQSGPELVKPGASVKISKASGYTFTDYNDMDVVKQSHGKSLWIGWIPNNGTGV 79
QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANTGNW---PAYWGQGTQVTVSA 117
Db 80 NQKFKSKATLTVDKSSSTAYMELHSLTSDSAVYCYATGHYYGYMFAYWGQGTQVTVSA 139

RESULT 13
US-08-428-257A-74

Sequence 74, Application US/08428257A
Patent No. 5885808

GENERAL INFORMATION:

APPLICANT: Spooner, Robert A.

APPLICANT: Epenetos, A.A.

TITLE OF INVENTION: Compounds to target cells

NUMBER OF SEQUENCES: 80

CORRESPONDENCE ADDRESS:

ADDRESSEE: Jules E. Goldberg

STREET: 261 Madison Avenue

CITY: New York

STATE: NY

COUNTRY: USA

ZIP: 10016-2391

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25 (RPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,257A

FILING DATE: 07/05/95

CLASSIFICATION: 514

INFORMATION FOR SEQ ID NO: 74:

SEQUENCE CHARACTERISTICS:

LENGTH: 118 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-428-257A-74

Query Match 75.7%; Score 480.5; DB 1; Length 118;
Best Local Similarity 75.4%; Pred. No. 5.5e-38;
Matches 89; Conservative 15; Mismatches 13; Indels 1; Gaps 1;

QY 1 QIQLQSGPEVVKPGASVKISKASGYTFTDYITWVKQPGQGLEWIGWIPGSGNTKY 60

Db 1 QVQLQSGAELMKPGASVKISKATGYTFSAYWIEWVKQPGHGLEWIGILPGSNRSY 60

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANFYPCA-NYGNWFAFWWGQGTQVTVSA 117

Db 61 NEKFKGKATLTADTSSTNTAYMQLSSLTSDSAVYCSRSYDFAFWFAFWWGQGTQVTVSA 118

RESULT 14

US-07-987-264-14

Sequence 14, Application US/07987264

Patent No. 6204366

GENERAL INFORMATION:

APPLICANT: VERHOEVEN, MARTINE ELISA

TITLE OF INVENTION: SPECIFIC BINDING AGENTS

NUMBER OF SEQUENCES: 62

CORRESPONDENCE ADDRESS:

ADDRESSEE: Spooner, Robert A.

APPLICANT: Epenetos, A.A.

TITLE OF INVENTION: Compounds to target cells

NUMBER OF SEQUENCES: 80

CORRESPONDENCE ADDRESS:

ADDRESSEE: Jules E. Goldberg

STREET: 261 Madison Avenue

CITY: New York

STATE: NY

COUNTRY: USA

ZIP: 10016-2391

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25 (RPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,257A

FILING DATE: 07/05/95

CLASSIFICATION: 514

INFORMATION FOR SEQ ID NO: 74:

SEQUENCE CHARACTERISTICS:

LENGTH: 118 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-428-257A-74

ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/987,264
FILING DATE: 08-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9019553.8
FILING DATE: 07-SEP-1990
PRIOR APPLICATION NUMBER: GB PCT/GB91/01511
FILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 200232/P3095USA
TELEPHONE: (202) 861-3000
TELEFAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 118 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-987-264-14

Query Match 75.7%; Score 480.5; DB 2; Length 118;
Best Local Similarity 75.4%; Pred. No. 5.5e-38;
Matches 89; Conservative 15; Mismatches 13; Indels 1; Gaps 1;

QY 1 QIQLQSGPEVVKPGASVKISKASGYTFTDYITWVKQPGQGLEWIGWIPGSGNTKY 60

Db 1 QVQLQSGAELMKPGASVKISKATGYTFSAYWIEWVKQPGHGLEWIGILPGSNRSY 60

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANFYPCA-NYGNWFAFWWGQGTQVTVSA 117

Db 61 NEKFKGKATLTADTSSTNTAYMQLSSLTSDSAVYCSRSYDFAFWFAFWWGQGTQVTVSA 118

RESULT 15

US-08-202-047-21

Sequence 21, Application US/08202047

Patent No. 5800815

GENERAL INFORMATION:

APPLICANT: CHESNUT, Robert W.

APPLICANT: POLLEY, Margaret J.

APPLICANT: PAULSON, James C.

APPLICANT: JONES, S. Tarran

APPLICANT: SALDANHA, Jose W.

APPLICANT: BENDIG, Mary M.

TITLE OF INVENTION: Antibodies to P-Selectin and Their Uses

NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend Kourie and Crew

STREET: One Market Plaza, Steuart Tower, Suite 2000

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94105

COMPUTER READABLE FORM: disk

MEDIUM TYPE: Floppy

US-07-987-264-14

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 20:26:01 ; Search time 63 Seconds
(without alignments)
775.969 Million cell updates/sec

Title: US-09-724-406-2

Perfect score: 635

Sequence: 1 QIOLQSGPEVVKPGASVKI.....NYGNVWFAYWGQGTQVTVSA 117

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA_Main:*

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2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pgp:*
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6: /cgn2_6/prodata/1/pubpaa/US11_PUBCOMB.pgp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	635	100.0	117	4	US-10-447-257-2
2	635	100.0	117	5	US-10-496-628-2
3	549	86.5	117	5	US-10-729-441-76
4	549	86.5	117	5	US-10-895-135-54
5	549	86.5	117	5	US-10-897-406-76
6	548	86.3	116	5	US-10-700-632-74
7	543.5	85.6	120	5	US-10-729-441-78
8	543.5	85.6	120	5	US-10-895-135-59
9	543.5	85.6	120	5	US-10-897-406-78
10	539.5	85.0	119	5	US-10-700-632-75
11	523	82.4	118	5	US-10-683-547-12
12	502.5	79.1	119	4	US-10-006-773-13
13	498.5	78.5	120	6	US-11-050-435-24
14	498.5	78.5	124	6	US-11-050-435-3
15	495	78.0	123	6	US-11-036-098-14
16	494.5	78.0	532	6	US-11-036-098-18
17	494.5	77.9	120	6	US-11-050-435-31
18	493.5	77.7	243	4	US-10-097-558-2
19	493.5	77.7	243	5	US-10-505-658-2
20	492	77.5	138	2	US-08-779-784-31
21	492	77.5	138	4	US-10-010-729-67
22	490	77.2	113	4	US-10-307-276B-3
23	490	77.2	113	6	US-11-061-956-3
24	490	77.2	119	4	US-10-411-037-54
25	490	77.2	119	4	US-10-411-026-54
26	490	77.2	119	4	US-10-410-962-54
27	490	77.2	119	4	US-10-411-049-54

28 490 77.2 119 4 US-10-410-930-54 Sequence 54, Appl
29 490 77.2 119 4 US-10-410-997-54 Sequence 54, Appl
30 490 77.2 119 4 US-10-411-012-54 Sequence 54, Appl
31 490 77.2 119 4 US-10-287-994-54 Sequence 54, Appl
32 490 77.2 119 4 US-10-410-913-54 Sequence 54, Appl
33 490 77.2 119 5 US-10-410-980-54 Sequence 54, Appl
34 490 77.2 119 5 US-10-410-897-54 Sequence 54, Appl
35 490 77.2 119 5 US-10-492-261-54 Sequence 54, Appl
36 490 77.2 164 4 US-10-471-475A-23 Sequence 23, Appl
37 489.5 77.1 243 4 US-10-097-558-3 Sequence 3, Appl
38 489.5 77.1 243 5 US-10-505-658-3 Sequence 10, Appl
39 489 77.0 113 4 US-10-307-276B-10 Sequence 10, Appl
40 489 77.0 113 6 US-11-061-956-10 Sequence 10, Appl
41 489 77.0 164 4 US-10-471-475A-24 Sequence 24, Appl
42 488.5 76.9 120 6 US-11-050-435-30 Sequence 30, Appl
43 486 76.5 117 5 US-10-683-547-14 Sequence 14, Appl
44 485.5 76.5 116 5 US-10-901-842-1 Sequence 1, Appl
45 484.5 76.3 120 6 US-11-050-435-29 Sequence 29, Appl

ALIGNMENTS

RESULT 1

US-10-447-257-2

; Sequence 2, Application US/10447257

; Publication No. US20040018194A1

; GENERAL INFORMATION:

; APPLICANT: Francisco et al.

; TITLE OF INVENTION: RECOMBINANT ANTI-CD30 ANTIBODIES AND USES THEREOF

; FILE REFERENCE: 9632-006

; CURRENT APPLICATION NUMBER: US/10/447,257

; PRIOR FILING DATE: 2003-05-28

; PRIOR APPLICATION NUMBER: US/09/724,406

; PRIOR FILING DATE: 2000-11-28

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 2

; LENGTH: 117

; TYPE: PRT

; ORGANISM: Mus musculus

US-10-447-257-2

Query Match 100.0%; Score 635; DB 4; Length 117;
Best Local Similarity 100.0%; Pred. No. 1.2e-47;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QIOLQSGPEVVKPGASVKISCKASGYTFDYITVWKPKGGLEWIGWYPSGNTKY 60
Db 1 QIOLQSGPEVVKPGASVKISCKASGYTFDYITVWKPKGGLEWIGWYPSGNTKY 60

QY 61 NEKFKGKATLTVDTSSSTAFMQLSSLTSDTAVYFCANYGNVWFAYWGQGTQVTVSA 117
Db 61 NEKFKGKATLTVDTSSSTAFMQLSSLTSDTAVYFCANYGNVWFAYWGQGTQVTVSA 117

RESULT 2

US-10-496-628-2

; Sequence 2, Application US/10496628

; Publication No. US20050123536A1

; GENERAL INFORMATION:

; APPLICANT: Law, Che-Leung

; APPLICANT: Klusman, Kerry

; APPLICANT: Wahl, Alan

; APPLICANT: Senter, Peter

; APPLICANT: Doronina, Svetlana

; APPLICANT: Toki, Brian

; TITLE OF INVENTION: TREATMENT OF IMMUNOLOGICAL DISORDERS USING

; FILE REFERENCE: 9632-077-999

; CURRENT APPLICATION NUMBER: US/10/496,628

; PRIOR FILING DATE: 2004-05-20

; PRIOR APPLICATION NUMBER: PCT/US02/37223

; PRIOR FILING DATE: 2002-11-22
; PRIOR APPLICATION NUMBER: 60/331,750
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-496-628-2

Query Match 100.0%; Score 635; DB 5; Length 117;
Best Local Similarity 100.0%; Pred. No. 1.2e-47;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYYITWVKQKPGGLEWIGWIYPGSGNTKY 60
Db 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYYITWVKQKPGGLEWIGWIYPGSGNTKY 60

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDYAVYFCANYGNWYFAYWGQGTQVTVSA 117
Db 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDYAVYFCANYGNWYFAYWGQGTQVTVSA 117

RESULT 3
US-10-729-441-76
; Sequence 76, Application US/10729441
; Publication No. US2004025307A1
; GENERAL INFORMATION:
; APPLICANT: ImmunoGen, Inc.
; TITLE OF INVENTION: ANTI-IGF-I RECEPTOR ANTIBODY
; FILE REFERENCE: A8689
; CURRENT APPLICATION NUMBER: US/10/729,441
; CURRENT FILING DATE: 2003-12-08
; PRIOR APPLICATION NUMBER: 10/170,390
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 76
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic antibody structure
US-10-729-441-76

Query Match 86.5%; Score 549; DB 5; Length 117;
Best Local Similarity 86.3%; Pred. No. 3.7e-40;
Matches 101; Conservative 8; Mismatches 8; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYYITWVKQKPGGLEWIGWIYPGSGNTKY 60
Db 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYYITWVKQKPGGLEWIGWIYPGSGNTKY 60

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDYAVYFCANYGNWYFAYWGQGTQVTVSA 117
Db 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDYAVYFCARGGKPFAMDYWGQGTSTVTVSS 117

RESULT 4
US-10-895-135-54
; Sequence 54, Application US/10895135
; Publication No. US20050123549A1
; GENERAL INFORMATION:
; APPLICANT: ImmunoGen, Inc.
; APPLICANT: PAYNE, Gillian
; APPLICANT: CHUN, Philip
; APPLICANT: TAVARES, Daniel
; TITLE OF INVENTION: A CM6 ANTIGEN-SPECIFIC CYTOTOXIC CONJUGATE AND METHODS OF USING
; FILE REFERENCE: A8621
; CURRENT APPLICATION NUMBER: US/10/895,135
; CURRENT FILING DATE: 2004-07-21

; PRIOR APPLICATION NUMBER: 60/488,447
; PRIOR FILING DATE: 2003-07-21
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 54
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-895-135-54

Query Match 86.5%; Score 549; DB 5; Length 117;
Best Local Similarity 86.3%; Pred. No. 3.7e-40;
Matches 101; Conservative 8; Mismatches 8; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYYITWVKQKPGGLEWIGWIYPGSGNTKY 60
Db 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYYITWVKQKPGGLEWIGWIYPGSGNTKY 60

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDYAVYFCANYGNWYFAYWGQGTQVTVSA 117
Db 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDYAVYFCARGGKPFAMDYWGQGTSTVTVSS 117

RESULT 5
US-10-897-406-76
; Sequence 76, Application US/10897406
; Publication No. US20050186203A1
; GENERAL INFORMATION:
; APPLICANT: ImmunoGen, Inc.
; TITLE OF INVENTION: ANTI-IGF-I RECEPTOR ANTIBODY
; FILE REFERENCE: A8338
; CURRENT APPLICATION NUMBER: US/10/897,406
; CURRENT FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US/10/170,390
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 76
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic antibody structure
US-10-897-406-76

Query Match 86.5%; Score 549; DB 5; Length 117;
Best Local Similarity 86.3%; Pred. No. 3.7e-40;
Matches 101; Conservative 8; Mismatches 8; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYYITWVKQKPGGLEWIGWIYPGSGNTKY 60
Db 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYYITWVKQKPGGLEWIGWIYPGSGNTKY 60

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDYAVYFCANYGNWYFAYWGQGTQVTVSA 117
Db 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDYAVYFCARGGKPFAMDYWGQGTSTVTVSS 117

RESULT 6
US-10-700-632-74
; Sequence 74, Application US/10700632
; Publication No. US20050118183A1
; GENERAL INFORMATION:
; APPLICANT: ImmunoGen, Inc.
; TITLE OF INVENTION: ANTI-CD33 ANTIBODIES AND METHODS FOR TREATMENT OF ACUTE MYELOID
; LEUKEMIA USING THE SAME
; FILE REFERENCE: A8427
; CURRENT APPLICATION NUMBER: US/10/700,632
; CURRENT FILING DATE: 2003-11-05
; PRIOR APPLICATION NUMBER: US 60/424,332
; PRIOR FILING DATE: 2002-11-07
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.2

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; SEQ ID NO 74
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-700-632-74

Query Match      86.3%; Score 548; DB 5; Length 116;
Best Local Similarity 87.1%; Pred. No. 4.4e-40;
Matches 101; Conservative 7; Mismatches 8; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYITWVKQKPGQGLEWIGWIYFGSGNTKY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 QIQLQSGPELVKPGASVKISCKASGYTFDYIHWVKQKPGQGLEWIGWIYFGSGNTKY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDTAVYFCANYGNYWFA--YWGQGTQVTVSA 116
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 NEKFKGKATLTVDTSSTAYMQLSSLTSEDSAVYFCARGGKPFAMDYWGQGTSTVTVS 116
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 7
US-10-729-441-78
; Sequence 78, Application US/10729441
; Publication No. US20040265307A1
; GENERAL INFORMATION:
; APPLICANT: ImmunoGen, Inc.
; TITLE OF INVENTION: ANTI-IGF-I RECEPTOR ANTIBODY
; FILE REFERENCE: A8689
; CURRENT APPLICATION NUMBER: US/10/729,441
; CURRENT FILING DATE: 2003-12-08
; PRIOR APPLICATION NUMBER: 10/170,390
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 78
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic antibody structure
US-10-729-441-78

Query Match      85.6%; Score 543.5; DB 5; Length 120;
Best Local Similarity 87.5%; Pred. No. 1.1e-39;
Matches 105; Conservative 5; Mismatches 7; Indels 3; Gaps 2;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYITWVKQKPGQGLEWIGWIYFGSGNTKY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 QIQLQSGPELVKPGASVKISCKASGYTFDYIHWVKQKPGQGLEWIGWIYFGSGNTKY 60
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QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDTAVYFCA-NYGNWFA--YWGQGTQVTVSA 117
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Db 61 NEKFKGKATLTVDTSSTAYMQLSSLTSEDTAVYFCAREKTTYTYAMDYWGQGTSTVTVSA 120
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 8
US-10-895-135-59
; Sequence 59, Application US/10895135
; Publication No. US20050123549A1
; GENERAL INFORMATION:
; APPLICANT: ImmunoGen, Inc.
; APPLICANT: PAYNE, Gillian
; APPLICANT: CHUN, Philip
; APPLICANT: TAVARES, Daniel
; TITLE OF INVENTION: A CA6 ANTIGEN-SPECIFIC CYTOTOXIC CONJUGATE AND METHODS OF USING
; TITLE OF INVENTION: THE SAME
; FILE REFERENCE: A8621
; CURRENT APPLICATION NUMBER: US/10/895,135
; CURRENT FILING DATE: 2004-07-21
; PRIOR APPLICATION NUMBER: 60/488,447
; PRIOR FILING DATE: 2003-07-21
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 59
```

```
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-895-135-59

Query Match      85.6%; Score 543.5; DB 5; Length 120;
Best Local Similarity 87.5%; Pred. No. 1.1e-39;
Matches 105; Conservative 5; Mismatches 7; Indels 3; Gaps 2;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYITWVKQKPGQGLEWIGWIYFGSGNTKY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 QIQLQSGPELVKPGASVKISCKASGYTFDYIHWVKQKPGQGLEWIGWIYFGSGNTKY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDTAVYFCA-NYGNWFA--YWGQGTQVTVSA 117
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 NEKFKGKATLTVDTSSTAYMQLSSLTSEDTAVYFCAREKTTYTYAMDYWGQGTSTVTVSA 120
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 9
US-10-897-406-78
; Sequence 78, Application US/10897406
; Publication No. US20050186203A1
; GENERAL INFORMATION:
; APPLICANT: ImmunoGen, Inc.
; TITLE OF INVENTION: ANTI-IGF-I RECEPTOR ANTIBODY
; FILE REFERENCE: A8338
; CURRENT APPLICATION NUMBER: US/10/897,406
; CURRENT FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US/10/170,390
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic antibody structure
US-10-897-406-78

Query Match      85.6%; Score 543.5; DB 5; Length 120;
Best Local Similarity 87.5%; Pred. No. 1.1e-39;
Matches 105; Conservative 5; Mismatches 7; Indels 3; Gaps 2;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYITWVKQKPGQGLEWIGWIYFGSGNTKY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 QIQLQSGPELVKPGASVKISCKASGYTFDYIHWVKQKPGQGLEWIGWIYFGSGNTKY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDTAVYFCA-NYGNWFA--YWGQGTQVTVSA 117
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 NEKFKGKATLTVDTSSTAYMQLSSLTSEDTAVYFCAREKTTYTYAMDYWGQGTSTVTVSA 120
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 10
US-10-700-632-75
; Sequence 75, Application US/10700632
; Publication No. US20050118183A1
; GENERAL INFORMATION:
; APPLICANT: ImmunoGen, Inc.
; TITLE OF INVENTION: ANTI-CD33 ANTIBODIES AND METHODS FOR TREATMENT OF ACUTE MYELOID
; TITLE OF INVENTION: LEUKEMIA USING THE SAME
; FILE REFERENCE: A8427
; CURRENT APPLICATION NUMBER: US/10/700,632
; CURRENT FILING DATE: 2003-11-05
; PRIOR APPLICATION NUMBER: US 60/424,332
; PRIOR FILING DATE: 2002-11-07
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 75
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-700-632-75
```

Query Match 85.0%; Score 539.5; DB 5; Length 119;
Best Local Similarity 87.4%; Pred. No. 2.5e-39;
Matches 104; Conservative 5; Mismatches 7; Indels 3; Gaps 2;
QY 1 QIQLQSGPEVVKPGASVKISKASGYTFTDYITWVKQPGGLEWIGWIYPGSGNTKY 60
DB 1 QIQLQSGPELVKPGASVKISKASGYTFTDYINWVKQPGGLEWIGWIYPGSGNTKY 60
QY 61 NEKFKGKATLTVDTSSTAFMQLSLTSDTAVYFCA-NYGNWFA--YWGQGTQVTVSA 116
DB 61 NEKFKGKATLTVDTSSTAYMQLSLTSDTAVYFCAREKTTYIYANDYWGQGTSTVTS 119

RESULT 11
US-10-683-547-12
; Sequence 12, Application US/10683547
; Publication No. US20050058638A1
; GENERAL INFORMATION:
; APPLICANT: Huston, J.
; APPLICANT: Houston, L.L.
; APPLICANT: Ring, D.
; APPLICANT: Oppermann, H.
; TITLE OF INVENTION: BIOSYNTHETIC BINDING PROTEINS FOR IMMUNO-TARGETING
; FILE REFERENCE: CIBT-P01-130
; CURRENT APPLICATION NUMBER: US/10/683,547
; PRIOR FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: US/09/558,741
; PRIOR FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 07/831,967
; PRIOR FILING DATE: 1992-02-06
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-683-547-12

Query Match 82.4%; Score 523; DB 5; Length 118;
Best Local Similarity 79.5%; Pred. No. 6.7e-38;
Matches 93; Conservative 14; Mismatches 10; Indels 0; Gaps 0;
QY 1 QIQLQSGPEVVKPGASVKISKASGYTFTDYITWVKQPGGLEWIGWIYPGSGNTKY 60
DB 1 QVQLQSGPELVKPGASVKISCTASGTTFTNYIHWKQPGGLEWIGWIYPGSGNTKY 60
QY 61 NEKFKGKATLTVDTSSTAFMQLSLTSDTAVYFCANFYFCANFYWGQGTQVTVSA 117
DB 61 NENFKGKATLTADKSSSTAFMQLSLTSDTAVYFCARVTHYVDFYWGQGTTLTVSS 117

RESULT 12
US-10-006-773-13
; Sequence 13, Application US/10006773
; Publication No. US20020132983A1
; GENERAL INFORMATION:
; APPLICANT: Junghans, Richard P.
; TITLE OF INVENTION: Antibodies as Chimeric Effector Cell Receptors Against Tumor Anti
; FILE REFERENCE: 003
; CURRENT APPLICATION NUMBER: US/10/006,773
; CURRENT FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: 60/250,089
; PRIOR FILING DATE: 2000-11-30
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-006-773-13

Query Match 79.1%; Score 502.5; DB 4; Length 139;

Best Local Similarity 79.2%; Pred. No. 4.8e-36;
Matches 95; Conservative 7; Mismatches 15; Indels 3; Gaps 1;
QY 1 QIQLQSGPEVVKPGASVKISKASGYTFTDYITWVKQPGGLEWIGWIYPGSGNTKY 60
DB 20 QVQLQSGPELVKPGALVKISKASGYTFTSDINWVKQPGGLEWIGWIYPGDGTNY 79
QY 61 NEKFKGKATLTVDTSSTAFMQLSLTSDTAVYFCANYGN--YWFAYWGQGTQVTVSA 117
DB 80 NEKFKGKATLTADKSSSTAYMQLSLTSENSAVYFCARGNPPSYAMDYWGQGTSTVTS 139

RESULT 13
US-11-050-435-24
; Sequence 24, Application US/11050435
; Publication No. US20050226883A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; APPLICANT: GEMMELL, JACK
; TITLE OF INVENTION: HUMANIZED ANTIBODY
; FILE REFERENCE: 59003.000046
; CURRENT APPLICATION NUMBER: US/11/050,435
; CURRENT FILING DATE: 2005-02-04
; PRIOR APPLICATION NUMBER: 60/541,944
; PRIOR FILING DATE: 2004-02-04
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 24
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Mus sp.
US-11-050-435-24

Query Match 78.5%; Score 498.5; DB 6; Length 120;
Best Local Similarity 76.7%; Pred. No. 9.2e-36;
Matches 92; Conservative 12; Mismatches 13; Indels 3; Gaps 1;
QY 1 QIQLQSGPEVVKPGASVKISKASGYTFTDYITWVKQPGGLEWIGWIYPGSGNTKY 60
DB 1 QVQLQSGPELVKPGASVKISCKASGYTFAGHYVHWKQPGGLEWIGWILPGKNTKY 60
QY 61 NEKFKGKATLTVDTSSTAFMQLSLTSDTAVYFCANYG---NYWFAYWGQGTQVTVSA 117
DB 61 NEKFKGKATLTADKSSSTAYMQLSLTSDTAVYFCARVGYDYPYVDFYWGQGTTLTVSS 120

RESULT 14
US-11-050-435-3
; Sequence 3, Application US/11050435
; Publication No. US20050226883A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; APPLICANT: GEMMELL, JACK
; TITLE OF INVENTION: HUMANIZED ANTIBODY
; FILE REFERENCE: 59003.000046
; CURRENT APPLICATION NUMBER: US/11/050,435
; CURRENT FILING DATE: 2005-02-04
; PRIOR APPLICATION NUMBER: 60/541,944
; PRIOR FILING DATE: 2004-02-04
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 3
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Mus sp.
US-11-050-435-3

Query Match 78.5%; Score 498.5; DB 6; Length 124;
Best Local Similarity 75.8%; Pred. No. 9.5e-36;
Matches 91; Conservative 14; Mismatches 12; Indels 3; Gaps 1;
QY 1 QIQLQSGPEVVKPGASVKISKASGYTFTDYITWVKQPGGLEWIGWIYPGSGNTKY 60
DB 1 QIQLQSGPELVKPGALVKISKASGYTFTSDINWVKQPGGLEWIGWIYPGDGTNY 79

Db 5 QVQLQSGPDLVPGASVTRISKASGYTFAGYVHVHWKQRPGRGLEWIGWIFPGKVNTKY 64
QY 61 NEKPKGKATLTVDTSSTAFMQLSSLTSEDYVFCANYG---NYWFAYWGQGTQVTVSA 117
Db 65 NEKPKGKATLTADKSSSTAYMQLSSLTSEDYVFCARVGYDYPYFYDYGQGTTLTVSS 124

RESULT 15

US-11-036-098-14
; Sequence 14, Application US/11036098
; Publication No. US20050163770A1
; GENERAL INFORMATION:
; APPLICANT: Connex GmbH
; TITLE OF INVENTION: Immunological reagent specifically interacting with the
; FILE REFERENCE: C1368PCT
; CURRENT APPLICATION NUMBER: US/11/036,098
; CURRENT FILING DATE: 2005-01-18
; PRIOR APPLICATION NUMBER: US/09/743,482
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: EP 98 11 2867.1
; PRIOR FILING DATE: 1998-07-10
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-11-036-098-14

Query Match 78.0%; Score 495; DB 6; Length 123;
Best Local Similarity 74.8%; Pred. No. 1.9e-35;
Matches 92; Conservative 13; Mismatches 12; Indels 6; Gaps 1;
QY 1 QIQLQSGPEWVKPGASVKISKASGYTFDYVITWVKQPGGLEWIGWIFPGSGNTKY 60
Db 1 QVQLQSGAEVLPKPGSSVKISKASGYTFTSDMHWIKQPGNGLEWIGWIFPGNGTKY 60
QY 61 NEKPKGKATLTVDTSSTAFMQLSSLTSEDYVFCANYGNYW-----FAYWGQGTQVT 114
Db 61 NQKFNKATLTADKSSSTAYMQLSSLTSEDYVFCARDWHYSSYIRPFAYWGQGTTLVT 120
QY 115 VSA 117
Db 121 VSS 123

Search completed: March 17, 2006, 20:27:12
Job time : 64 secs

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Result No.	Score	Query			DB	ID	Description
		Match	Length	Time			
1	635	100.0	117	7	US-11-149-943-61	Sequence 61, App	
2	635	100.0	117	7	US-11-004-590-119	Sequence 119, App	
3	571	89.9	117	7	US-11-004-590-221	Sequence 221, App	
4	567	89.3	117	7	US-11-004-590-166	Sequence 166, App	
5	567	89.3	117	7	US-11-004-590-181	Sequence 181, App	
6	563	88.7	117	7	US-11-004-590-168	Sequence 168, App	
7	563	88.7	117	7	US-11-004-590-170	Sequence 170, App	
8	560	88.2	117	7	US-11-004-590-169	Sequence 169, App	
9	560	88.2	117	7	US-11-004-590-184	Sequence 184, App	
10	559	88.0	117	7	US-11-004-590-165	Sequence 165, App	
11	559	88.0	117	7	US-11-004-590-178	Sequence 178, App	
12	559	88.0	117	7	US-11-004-590-180	Sequence 180, App	
13	558	87.9	117	7	US-11-004-590-173	Sequence 173, App	
14	557	87.7	117	7	US-11-004-590-206	Sequence 206, App	
15	557	87.7	117	7	US-11-004-590-207	Sequence 207, App	
16	556	87.6	117	7	US-11-004-590-162	Sequence 162, App	
17	556	87.6	117	7	US-11-004-590-179	Sequence 179, App	
18	555	87.4	117	7	US-11-004-590-167	Sequence 167, App	
19	555	87.4	117	7	US-11-004-590-189	Sequence 189, App	
20	553	87.1	117	7	US-11-004-590-163	Sequence 163, App	
21	553	87.1	117	7	US-11-004-590-172	Sequence 172, App	
22	553	87.1	117	7	US-11-004-590-204	Sequence 204, App	
23	553	87.1	117	7	US-11-004-590-223	Sequence 223, App	
24	552	86.9	117	7	US-11-004-590-176	Sequence 176, App	
25	552	86.9	117	7	US-11-004-590-183	Sequence 183, App	


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Query Match      89.3%; Score 567; DB 7; Length 117;
Best Local Similarity 85.5%; Pred. No. 6.4e-39;
Matches 100; Conservative 10; Mismatches 7; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFTDYYITWVKQKPGQGLEWIGWIIYPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1 QIQLVQSGAEVKKPGASVKVSKASGYTFTDYYITWVRQAPGQGLEWMGMWIIYPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 61 NEKPKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANYGNWYFAWGGQTQVTVSA 117
   ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||:
Db 61 NEKFGGRVTITVDTSTSTAYMELSSLRSDTAVYFCANYGNWYFAWGGQTLTVSS 117
   ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||:

RESULT 6
US-11-004-590-168
; Sequence 168, Application US/11004590
; Publication No. US2006000883A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Desjarlais, John R.
; APPLICANT: Hammond, Phillip W.
; TITLE OF INVENTION: METHODS OF GENERATING VARIANT PROTEINS WITH INCREASED HOST STRING
; FILE REFERENCE: 185832/US/5
; CURRENT APPLICATION NUMBER: US/11/004,590
; PRIOR FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: US 60/527,167
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/581,613
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 60/601,665
; PRIOR FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: US 60/619,483
; PRIOR FILING DATE: 2004-10-14
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 168
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-004-590-168

Query Match      88.7%; Score 563; DB 7; Length 117;
Best Local Similarity 85.5%; Pred. No. 1.3e-38;
Matches 100; Conservative 10; Mismatches 7; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFTDYYITWVKQKPGQGLEWIGWIIYPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1 QIQLVQSGAEVKKPGASVKVSKASGYTFTDYYITWVRQAPGQGLEWMGMWIIYPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 61 NEKPKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANYGNWYFAWGGQTQVTVSA 117
   ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||:
Db 61 NEKFGGRVTITVDTSTSTAYMELSSLRSDTAVYFCANYGNWYFAWGGQTLTVSS 117
   ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||:

RESULT 7
US-11-004-590-170
; Sequence 170, Application US/11004590
; Publication No. US2006000883A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Desjarlais, John R.
; APPLICANT: Hammond, Phillip W.
; TITLE OF INVENTION: METHODS OF GENERATING VARIANT PROTEINS WITH INCREASED HOST STRING
; FILE REFERENCE: 185832/US/5
; CURRENT APPLICATION NUMBER: US/11/004,590
; PRIOR FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: US 60/527,167
; PRIOR FILING DATE: 2003-12-04
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```
; PRIOR APPLICATION NUMBER: US 60/581,613
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 60/601,665
; PRIOR FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: US 60/619,483
; PRIOR FILING DATE: 2004-10-14
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 170
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-004-590-170

Query Match      88.7%; Score 563; DB 7; Length 117;
Best Local Similarity 85.5%; Pred. No. 1.3e-38;
Matches 100; Conservative 10; Mismatches 7; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFTDYYITWVKQKPGQGLEWIGWIIYPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1 QIQLVQSGAEVKKPGASVKVSKASGYTFTDYYITWVRQAPGQGLEWMGMWIIYPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 61 NEKPKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANYGNWYFAWGGQTQVTVSA 117
   ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||:
Db 61 NEKFGGRVTITVDTSTSTAYMELSSLRSDTAVYFCANYGNWYFAWGGQTLTVSS 117
   ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||:

RESULT 8
US-11-004-590-169
; Sequence 169, Application US/11004590
; Publication No. US2006000883A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Desjarlais, John R.
; APPLICANT: Hammond, Phillip W.
; TITLE OF INVENTION: METHODS OF GENERATING VARIANT PROTEINS WITH INCREASED HOST STRING
; FILE REFERENCE: 185832/US/5
; CURRENT APPLICATION NUMBER: US/11/004,590
; CURRENT FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: US 60/527,167
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/581,613
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 60/601,665
; PRIOR FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: US 60/619,483
; PRIOR FILING DATE: 2004-10-14
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 169
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-004-590-169

Query Match      88.2%; Score 560; DB 7; Length 117;
Best Local Similarity 84.6%; Pred. No. 2.3e-38;
Matches 99; Conservative 11; Mismatches 7; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFTDYYITWVKQKPGQGLEWIGWIIYPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1 QIQLVQSGAEVKKPGSSVKVSKASGYTFTDYYITWVRQAPGQGLEWMGMWIIYPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 61 NEKPKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANYGNWYFAWGGQTQVTVSA 117
   ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||:
Db 61 NEKFGGRVTITVDTSTASTAYMELSSLRSDTAVYFCANYGNWYFAWGGQTLTVSS 117
   ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||: ||||| :|||:
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US-11-004-590-165

Query Match      88.0%; Score 559; DB 7; Length 117;
Best Local Similarity 84.6%; Pred. No. 2.8e-38;
Matches 99; Conservative 10; Mismatches 8; Indels 0; Gaps 0;

Qy 1 QIQIQSQSPVVKPGASVKISKASGYTDDYYITWVKQKPGQGLEWIGWYIPGSGNTKY 60
Db 1 QIQIQSQSPVVKPGTGVKSVKASGYTDDYYITWVRQATQGLEWGMWGIYIPGSGNTKY 60

Qy 61 NEKPKGKATLTVDTSSSTAFMQLSLTSBDTAVYFCANYGNWYFAYWGQGTQVTVSA 117
Db 61 NEKFGQGRVITVDTSASTAYMELSLSLRSDTAVYFCANYGNWYFAYWGQGTQVTVSS 117

RESULT 11
US-11-004-590-178
; Sequence 178, Application US/11004590
; Publication No. US2006000883A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Desjarlais, John R.
; APPLICANT: Hammond, Phillip W.
; TITLE OF INVENTION: METHODS OF GENERATING VARIANT PROTEINS WITH INCREASED HOST STRING
; FILE REFERENCE: 185832/US/5
; CURRENT APPLICATION NUMBER: US/11/004,590
; CURRENT FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: US 60/527,167
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/581,613
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 60/601,665
; PRIOR FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: US 60/619,483
; PRIOR FILING DATE: 2004-10-14
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 178
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-004-590-178

Query Match      88.0%; Score 559; DB 7; Length 117;
Best Local Similarity 84.6%; Pred. No. 2.8e-38;
Matches 99; Conservative 10; Mismatches 8; Indels 0; Gaps 0;

Qy 1 QIQIQSQSPVVKPGASVKISKASGYTDDYYITWVKQKPGQGLEWIGWYIPGSGNTKY 60
Db 1 QIQIQSQSPVVKPGTGVKSVKASGYTDDYYITWVRQATQGLEWGMWGIYIPGSGNTKY 60

Qy 61 NEKPKGKATLTVDTSSSTAFMQLSLTSBDTAVYFCANYGNWYFAYWGQGTQVTVSA 117
Db 61 NEKFGQGRVITVDTSASTAYMELSLSLRSDTAVYFCANYGNWYFAYWGQGTQVTVSS 117

RESULT 12
US-11-004-590-180
; Sequence 180, Application US/11004590
; Publication No. US2006000883A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Desjarlais, John R.
; APPLICANT: Hammond, Phillip W.
; TITLE OF INVENTION: METHODS OF GENERATING VARIANT PROTEINS WITH INCREASED HOST STRING
; FILE REFERENCE: 185832/US/5
; CURRENT APPLICATION NUMBER: US/11/004,590
; CURRENT FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: US 60/527,167

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; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/581,613
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 60/601,665
; PRIOR FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: US 60/619,483
; PRIOR FILING DATE: 2004-10-14
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 180
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-004-590-180

Query Match      88.0%; Score 559; DB 7; Length 117;
Best Local Similarity 84.6%; Pred. No. 2.8e-38;
Matches 99; Conservative 10; Mismatches 8; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYYITWVKQKPGQGLEWIGWYIPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1 QIQLVQSGPEVVKPGTSVKVSKCASGYTFDYYITWVRQATGQLEWGMWYIPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 61 NEKPKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANYGNWYFAYWGQGTQVTVSA 117
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| :
Db 61 NEKFGQRVITVDTSSTAYMELSSLRSDTAVYFCANYGNWYFAYWGQGTQVTVSS 117
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| :

RESULT 13
US-11-004-590-173
; Sequence 173, Application US/11004590
; Publication No. US2006000883A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Desjarlais, John R.
; APPLICANT: Hammond, Phillip W.
; TITLE OF INVENTION: METHODS OF GENERATING VARIANT PROTEINS WITH INCREASED HOST STRING
; TITLE OF INVENTION: CONTENT AND COMPOSITIONS THEREOF
; FILE REFERENCE: 185832/US/5
; CURRENT APPLICATION NUMBER: US/11/004,590
; CURRENT FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: US 60/527,167
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/581,613
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 60/601,665
; PRIOR FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: US 60/619,483
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 173
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-004-590-173

Query Match      87.9%; Score 558; DB 7; Length 117;
Best Local Similarity 84.6%; Pred. No. 3.3e-38;
Matches 99; Conservative 11; Mismatches 7; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYYITWVKQKPGQGLEWIGWYIPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1 QIQLVQSGHEVKQPGASVKVSKCASGYTFDYYITWVRQAPGQGLEWGMWYIPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 61 NEKPKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANYGNWYFAYWGQGTQVTVSA 117
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| :
Db 61 NEKFGQRVITVDTSASTAYMELSSLRSDTAVYFCANYGNWYFAYWGQGTQVTVSS 117
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| :

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RESULT 14
US-11-004-590-206
; Sequence 206, Application US/11004590
; Publication No. US2006000883A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Desjarlais, John R.
; APPLICANT: Hammond, Phillip W.
; TITLE OF INVENTION: METHODS OF GENERATING VARIANT PROTEINS WITH INCREASED HOST STRING
; TITLE OF INVENTION: CONTENT AND COMPOSITIONS THEREOF
; FILE REFERENCE: 185832/US/5
; CURRENT APPLICATION NUMBER: US/11/004,590
; CURRENT FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: US 60/527,167
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/581,613
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 60/601,665
; PRIOR FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: US 60/619,483
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 206
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-004-590-206

Query Match      87.7%; Score 557; DB 7; Length 117;
Best Local Similarity 82.9%; Pred. No. 4e-38;
Matches 97; Conservative 12; Mismatches 8; Indels 0; Gaps 0;

QY 1 QIQLQSGPEVVKPGASVKISCKASGYTFDYYITWVKQKPGQGLEWIGWYIPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1 QIQLVQSGPEVVKPGTSVKVSKCASGYTFDYYITWVRQAPGQGLEWGMWYIPGSGNTKY 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 61 NEKPKGKATLTVDTSSTAFMQLSSLTSDTAVYFCANYGNWYFAYWGQGTQVTVSA 117
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| :
Db 61 NEKFGQRVITVDTSASTAYLQICSLKAEADTAVYFCANYGNWYFAYWGQGTQVTVSS 117
   ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| :

RESULT 15
US-11-004-590-207
; Sequence 207, Application US/11004590
; Publication No. US2006000883A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Desjarlais, John R.
; APPLICANT: Hammond, Phillip W.
; TITLE OF INVENTION: METHODS OF GENERATING VARIANT PROTEINS WITH INCREASED HOST STRING
; TITLE OF INVENTION: CONTENT AND COMPOSITIONS THEREOF
; FILE REFERENCE: 185832/US/5
; CURRENT APPLICATION NUMBER: US/11/004,590
; CURRENT FILING DATE: 2004-12-03
; PRIOR APPLICATION NUMBER: US 60/527,167
; PRIOR FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: US 60/581,613
; PRIOR FILING DATE: 2004-06-21
; PRIOR APPLICATION NUMBER: US 60/601,665
; PRIOR FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: US 60/619,483
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 207
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:

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OTHER INFORMATION: Synthetic
US-11-004-590-207

Query Match 87.7%; Score 557; DB 7; Length 117;
Best Local Similarity 82.9%; Pred. No. 4e-38;
Matches 97; Conservative 12; Mismatches 8; Indels 0; Gaps 0;
QY 1 QIQLOQSGPEVVKPGASVKISCKASGYTFDYYITWVKOKPGQGLEWIGWYIPGSGNTKY 60
Db 1 QIQLVQSGPEVVKPGTSVKVSKASGYTFDYYITWVRQAPGQGLEWIGWYIPGSGNTKY 60
QY 61 NEKFKGKATLTVDTSSTAFMQLSSLTSEDYVFCANYGNWYFAYWGQGTQVTVSA 117
Db 61 NEKFGQGRVTMTVDTSSTAYLQICSLKAEDTAVYFCANYGNWYFAYWGQGTQVTVSS 117

Search completed: March 17, 2006, 20:27:40
Job time : 24 secs